

ATX-6300-1U / ATX-6350-1U

300W/350W, Six Output For 1U System ATX12V Power supply



205 x 100 x 40.5 mm
8.07 x 3.94 x 1.60 inch



Features:

- * Universal full range AC input with active PFC, P.F.> 0.95
- * High efficiency and reliability
- * Altitude during operation up to 4000M
- * Built-in long life ball bearing fan
- * 3.3V & 5V VRM design
- * Over voltage, over load & short circuit, over current, over temperature protection
- * With power good signal & PS-ON signal output
- * Meet Intel ATX 2.01 / ATX2.31 / ATX 12V
- * 2 year warranty

Specification:

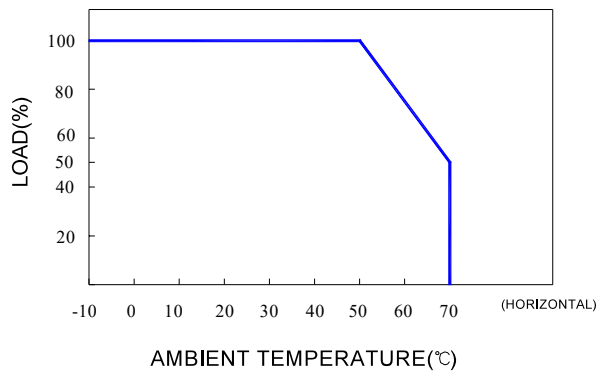
INPUT	Voltage		90V ~ 264VAC universal full range or 127V ~ 375VDC						
	Frequency		47 ----- 63 Hz.						
	Current	ATX-6300-1U	<4.2A @ 100VAC input, full load condition						
		ATX-6350-1U	<5.0A @ 100VAC input, full load condition						
	Inrush Current(TYP.)		40A@115V , 60A@230V AC input, Cold start, at 25℃ ambient						
	Leakage Current		<1.5mA@264V AC input						
	Power Factor		PF > 0.95						
OUTPUT	Voltage		5V	3.3V	12V1	12V2	-12V	-5V	5Vsb
	Min Load		0.3A	0A	0.2A	0A	0A	0A	0A
	Max Load		25A	25A	16A	16A	0.5A Peak Load 1.5A ⑥	0.5A	3A
	Output Tolerance ②		±3%	±5%	±3%	±3%	±10%	±5%	±5%
	Ripple Noise MAX. ③		70mV	70mV	120mV	120mV	120mV	100 mV	70 mV
	Efficiency (TYP.)		83%						
	Output MAX.		ATX-6300-1U 3.3V & 5V max 125W, total output max 300W ATX-6350-1U 3.3V & 5V max 125W, total output max 350W						
PROTECTION	Over Voltage		5.4V~6.8V	3.7V~4.1V	13.1V~14.5V		----	----	----
			Shutdown and latch off, recover after re-start up.						
	Over current (MAX)		30A	30A	20A	20A	----	----	----
	OverLoad & ShortCircuit		When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off, recover after re-start up.						
	Over Temperature		Over 95℃± 5℃ Shutdown, recovers automatically after fault condition has been removed.						
ELEC. CHAR.	Rise time		<20mS						
	Hold up time		>16mS@230V						
	Power Good signal		Power on within 100~500ms, high level TTL signal release.						
	PS-ON signal		P/S ON: PS-ON=Low or <0.8V, P/S OFF: PS-ON=Hi or >2V						
ENVIRONMENT	Temperature ④		Operating: -10~70℃; De-rating: 50~70℃ : 2.5%/℃. ; Storage: -20~+85℃						
	Humidity		Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing)						
	Altitude		13124ft (≒ 4000m) operating						
SAFETY	Withstand voltage		I/P-O/P:3.0KVAC, I/P-PE:1.8KVAC, 1minute						
	Isolation resistance		I/P-O/P, I/P-PE > 100MΩ/500VDC at 25℃/ 70% RH						
	Safety standard		UL 62368-1, 2 nd Edition, 2014-12-01, CAN/CSA C22.2 No.62368-1-14, 2 nd Edition, 2014-12, IEC 62368-1:2014						
EMC	EMI		EN / BS EN 55032 CLASS B, FCC CFR 47 PART 15 CLASS B						
			Compliance to EN / BS EN 61000-3-2 CLASS D, EN / BS EN 61000-3-3						
	EMS		EN / BS EN 55035 : 2017 EN / BS EN 61000-4-2,3,4,5,6,8,11						
OTHERS	Cooling		Forced airflow cooling with a DC fan.						
	M.T.B.F.		108.7 K hours						
	Dimension		205 x 100 x 40.5 mm (L*W*H)						
	PACKING		N.W.: 1.25 KG / 1PC; 12 PCS / 2.02 CUFT / 1 CTN						



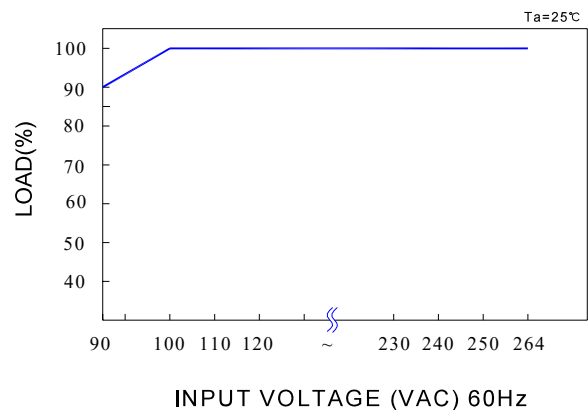
Nippon Beta Power Co., Ltd

ATX-6300-1U / ATX-6350-1U

De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

